

IN THE SPECIFICATION

Please add the following paragraphs:

[00231] In the exemplary embodiment, an isolated nucleic acid molecule is provided, wherein the isolated nucleic acid molecule includes a polynucleotide encoding a phospholipase A2 γ polypeptide. In one embodiment, the phospholipase A2 γ polypeptide catalyzes cleavage of fatty acids from the sn-2-position of phospholipids. In another embodiment, a vector including the nucleic acid molecule is provided. In an alternative embodiment a cell transformed or transfected with the vector is provided. In a further embodiment, a vector including the nucleic acid molecule is suitable for generating a transgenic mouse wherein a reporter gene encodes an enzyme capable of being detected by a colorimetric, fluorometric or luminometric assay. In one embodiment, the reporter gene encodes a luciferase.

[00232] Moreover, in one embodiment, an isolated nucleic acid including a polynucleotide having at least about 90% sequence identity with SEQ ID NO: 6 is provided. In one embodiment the isolated nucleic acid is encoded polypeptide that has or modulates enzymatic activity. In another embodiment, the isolated nucleic acid includes SEQ ID NO: 6.

[00233] Further, in one embodiment, an antisense sequence which specifically hybridizes to SEQ ID NO: 6 is provided. In another embodiment, an in vitro expression construct is provided in which a truncated iPLA₂ sequence is cloned downstream from the SV40 promoter of Invitrogen.